

**IN THE ABSTRACT:**

Kindly cancel the prior abstract and substitute the following therefore.

**ABSTRACT:**

Binding assays for identifying compounds that modulate human T1R2 polypeptide associated taste are disclosed. These assays detect the specific binding of compounds to a human T1R2 polypeptide or the modulation of the specific binding of a compound that specifically binds to a human T1R2 polypeptide. The binding assays may include the use of detectable labels, e.g., radionuclides, enzymes, fluorophases, and the like. Compounds identified in these binding assays have putative application as T1R2 taste modulators, particularly sweet taste, and potentially are useful additives in compositions for human or animal consumption.